3rd party Enterprise Linux yum repositories

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Overview of Provided Repos

- SLF6
  - Adobe
  - Atrpms
  - **ELRepo**
  - **EPEL**
  - RPMForge
  - **RPMFusion**

- SL7
  - **ELRepo**
  - **EPEL**
  - OSG
  - **RPMFusion**
  - SL Extras
  - Software Collections
  - ZFS On Linux

In SLF6 external repos are DISABLED by default

In SL7 external repos are ENABLED by default

These repos were added based on community requests.

If you believe additional repos should be added please open a Service Desk ticket for us to review.

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Overview of Repos — ELRepo SL6/SL7

"The ELRepo Project focuses on hardware related packages to enhance your experience with Enterprise Linux. This includes filesystem drivers, graphics drivers, network drivers, sound drivers, webcam and video drivers… and builds of the latest mainline kernels." from elrepo.org

```
yum install yum-conf-elrepo
```

ELRepo announces their security updates

ELRepo provides two kinds of repos:

- **Kernel Modules**

Kernel Modules from ELRepo are built to work on official kernels within SL. In some cases specific kernel modules do not work with all kernels.

- **Mainline Kernels**

Mainline Kernels from ELRepo track the current kernel.org kernels. Use of these kernels REQUIRES an exemption from Computing Security.

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Overview of Repos — EPEL — SL6/SL7

"Extra Packages for Enterprise Linux (or EPEL) is a Fedora Special Interest Group that creates, maintains, and manages a high quality set of additional packages for Enterprise Linux, including, but not limited to, Red Hat Enterprise Linux (RHEL), CentOS, and Scientific Linux (SL).

```
yum install yum-conf-epel
```

EPEL packages are usually based on their Fedora counterparts and will never conflict with or replace packages in the base Enterprise Linux distributions." from fedora.org

EPEL announces their security updates

EPEL primarily provides software. Over time new packages are added to RHEL and therefore SL. When this happens duplicates in EPEL are removed.

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Overview of Repos — RPMFusion — SL6/SL7

"RPM Fusion provides software that the Fedora Project or Red Hat doesn't want to ship. We have two main repositories:

- "free" for Open Source Software which can't be included in Fedora because it might be patent encumbered in the US

- "nonfree" for non-free software, that is everything else which can't be in free; this includes software with public available source-code that has "no commercial use"-like restrictions

" from rpmfusion.org

```
yum install yum-conf-rpmfusion
```

RPMFusion does not appear to have a dedicated location to announce security updates.

RPMFusion aims to be compatible with EPEL and the current releases of RHEL.

SL includes a yum-conf for the "free" repo only. **This does not imply** SL users have valid licenses for any patented software in this repo.

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Overview of Repos — Adobe — SL6*

Adobe provides a yum repo with the Flash Plugin packaged within it.

```
yum install yum-conf-adobe
```

Adobe does not appear to have a dedicated location to announce security updates.

The Adobe Flash Roadmap has regularly removed Linux from their supported operating system list.

The version of the Flash Plugin that works with Firefox is considered by Adobe to be obsolete and will be discontinued in favor of Chrome style plugins.

Firefox 52 does not have support for Chrome style plugins. The "legacy" Flash Plugin is currently compatible with SL7 Firefox. This will change.

Overview of Repos — ATRpms — SL6

"The original focus [of ATRpms] laid upon software used in natural sciences, especially in the field of high energy physics, e.g. tools for numerical programming or such for scientific publications. But since then this repository has included many non-scientific software titles, like system tools or multimedia packages, resulting in a far more generic repository." from atrpms.net

```
yum install yum-conf-atrpms
```

ATRpms does not appear to have a dedicated location to announce security updates.

ATRpms may include updated versions of packages bundled with SL or EPEL. ATRpms makes no claims of compatibility or incompatibility with other external repos.

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Overview of Repos - RPMForge/RepoForge - SL6

"We provide a set of repositories compatible with various RHEL versions, providing packages for: - Servers (eg. monitoring, troubleshooting, management) - Desktops (eg. office, leisure, multi-media) - Development (eg. perl, python, ruby libraries)" from repoforge.org

```
yum install yum-conf-repoforge
```

RPMForge/RepoForge does not appear to have a dedicated location to announce security updates.

RPMForge/RepoForge may include updated versions of packages bundled with SL or EPEL. RPMForge/RepoForge makes no claims of compatibility or incompatibility with other external repos.

RepoForge.org suggest this project may be outdated.

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Overview of Repos — OSG — SL7*

The Open Science Grid yum repo for software release 3.3.

```
yum install yum-conf-osg
```

OSG announces their security updates.

The OSG repo expects that EPEL is also available to your system and does occasionally replace EPEL packages with its own.

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Overview of Repos — SL Extras — SL7

The SL Extras repo tracks the RHEL 7 Extras repo. The SL Extras repo is targeted at SL 7x with SL Fastbugs enabled.

```
yum install yum-conf-extras
```

"The Extras channel is intended to give customers access to select, rapidly evolving technologies. These technologies may be updated more frequently than they would otherwise be in a minor release." from redhat.com

Security errata for SL Extras are announced.

The Extras packages may be withdrawn or conflict with packages from other repos.

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Overview of Repos - Software Collections - SL7*

Software Collections tracks RHEL Software Collections for x86_64.

"Looking for a new release of Ruby, Python, Perl, or want to install Node.js on your Enterprise Linux? How about an alternative to MySQL, MariaDB 10.1, or PostgreSQL 9.5? You can find the components you need in the SoftwareCollections.org Directory." from softwarecollections.org

```
yum install yum-conf-softwarecollections
```

Software Collections does not appear to have a dedicated location to announce security updates.

The Software Collections repo may replace packages from Scientific Linux or EPEL.

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Overview of Repos — ZFS on Linux — SL7*

"The ZFS on Linux project is an implementation of OpenZFS designed to work in a Linux environment." from zfsonlinux.org

```
yum install yum-conf-zfsonlinux
```

The repo includes ZFS kernel modules and user space tools for RHEL compatible systems.

ZFS On Linux has not had a security issue since the creation of their announcement list.

These packages are tied directly to the Kernel ABI and may require specific kernels.

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